

Monitoramento da situação da seca na Região Sul

17 de Maio de 2023

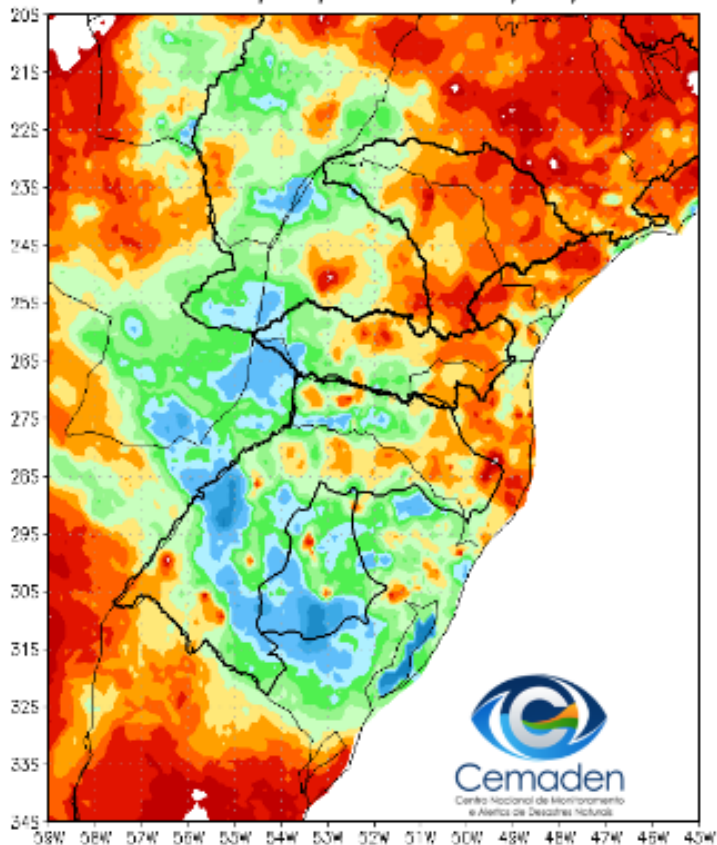


MINISTÉRIO DA
CIÊNCIA, TECNOLOGIA
E INOVAÇÃO

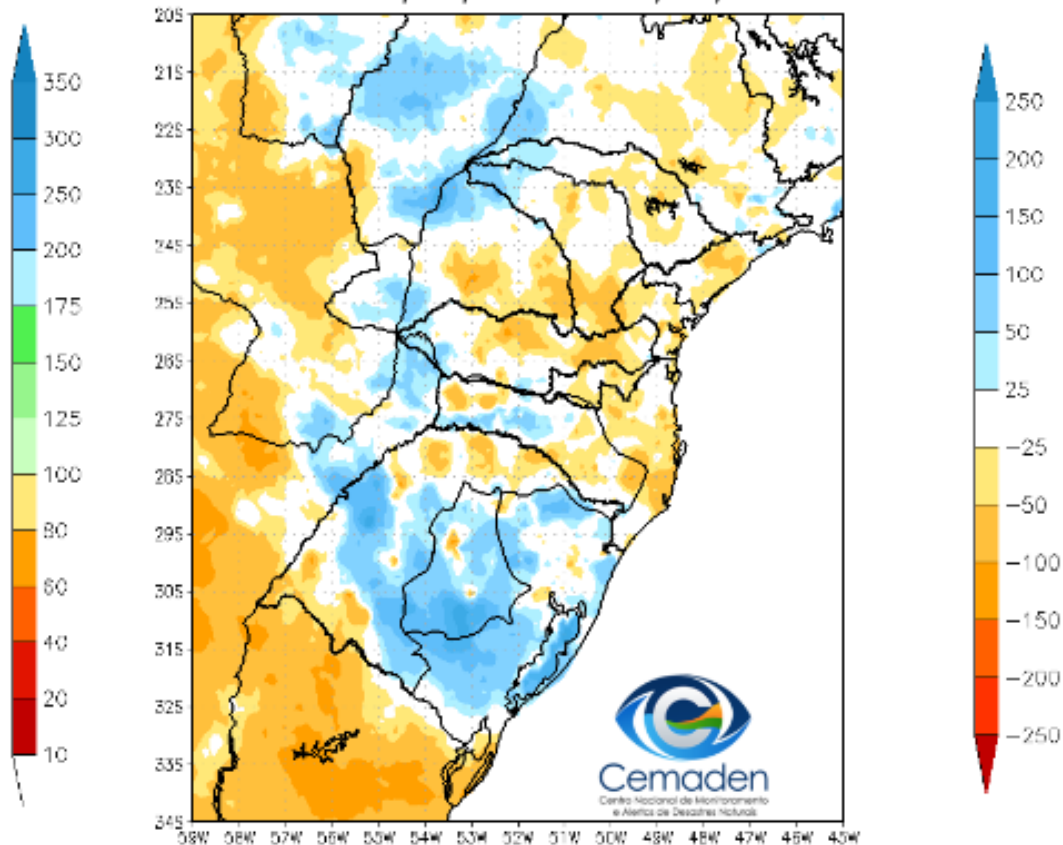


Precipitação nos últimos 30 dias

Precipitação Acumulada (mm) A.S.
Período: 16/04/2023 a 16/05/2023

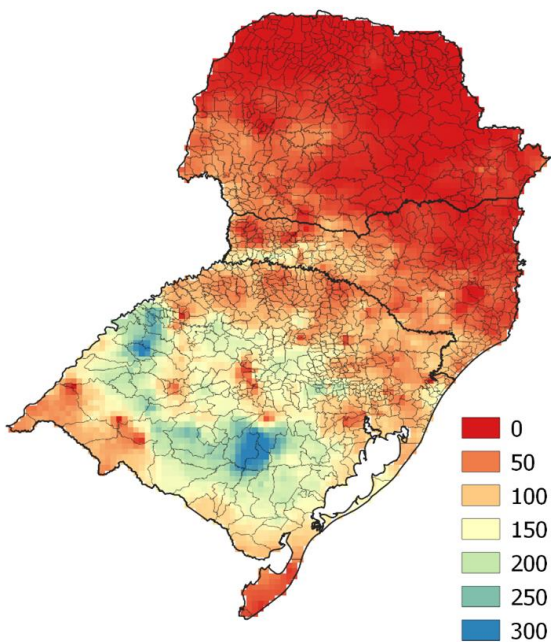


Anomalia de Precipitação (mm) A.S.
Período: 16/04/2023 a 16/05/2023

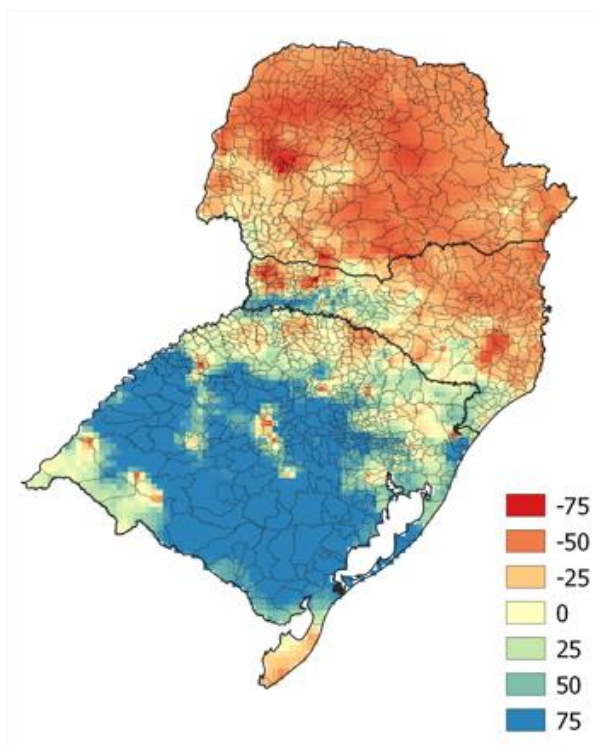


PRECIPITAÇÃO: MAIO 2023

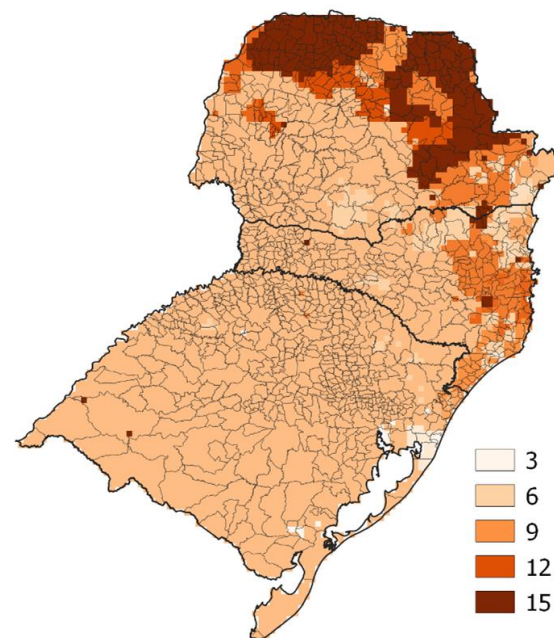
Chuva acumulada (mm)



Anomalia parcial

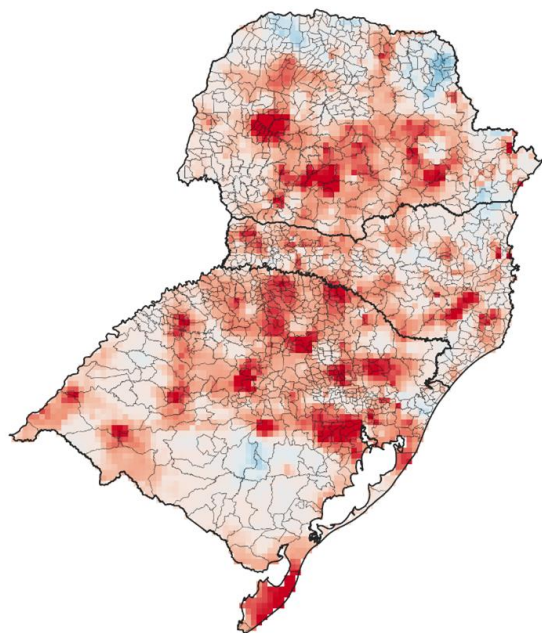


Máximo de dias consecutivos sem chuva

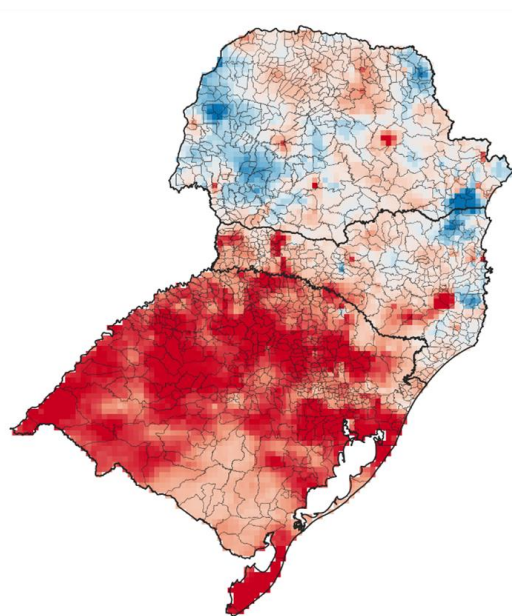


SPI: MAIO 2023

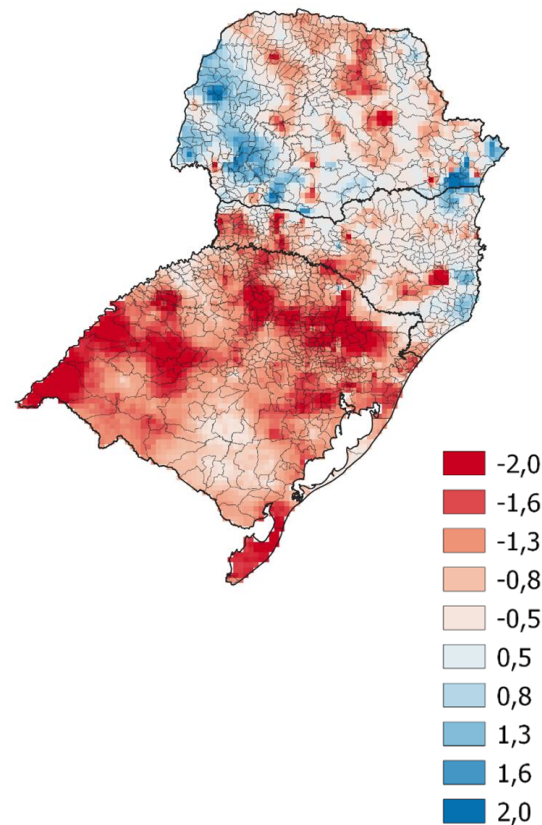
SPI03



SPI12



SPI24

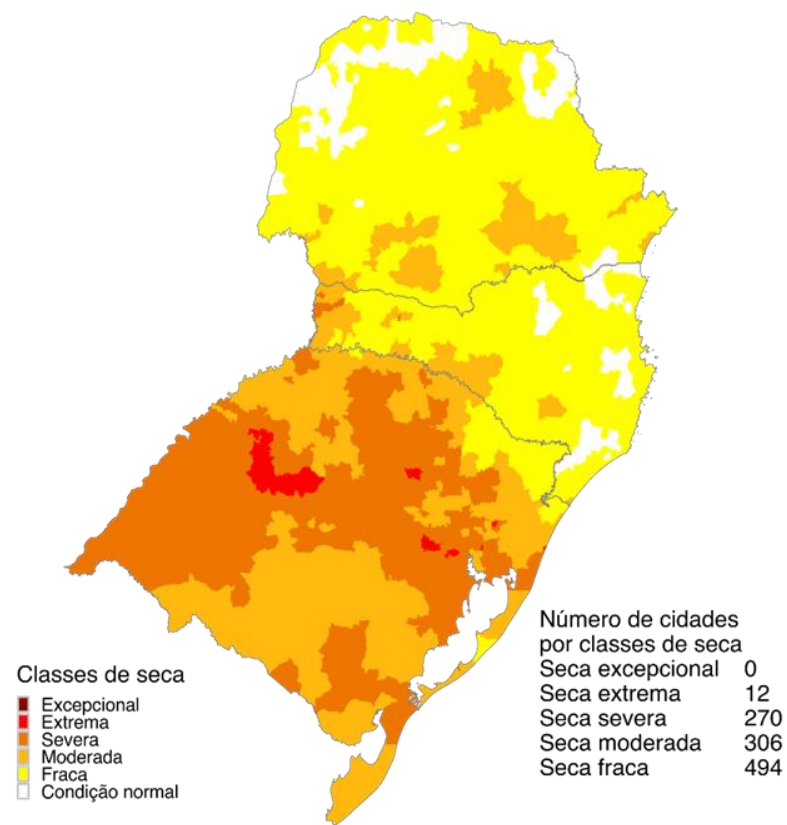
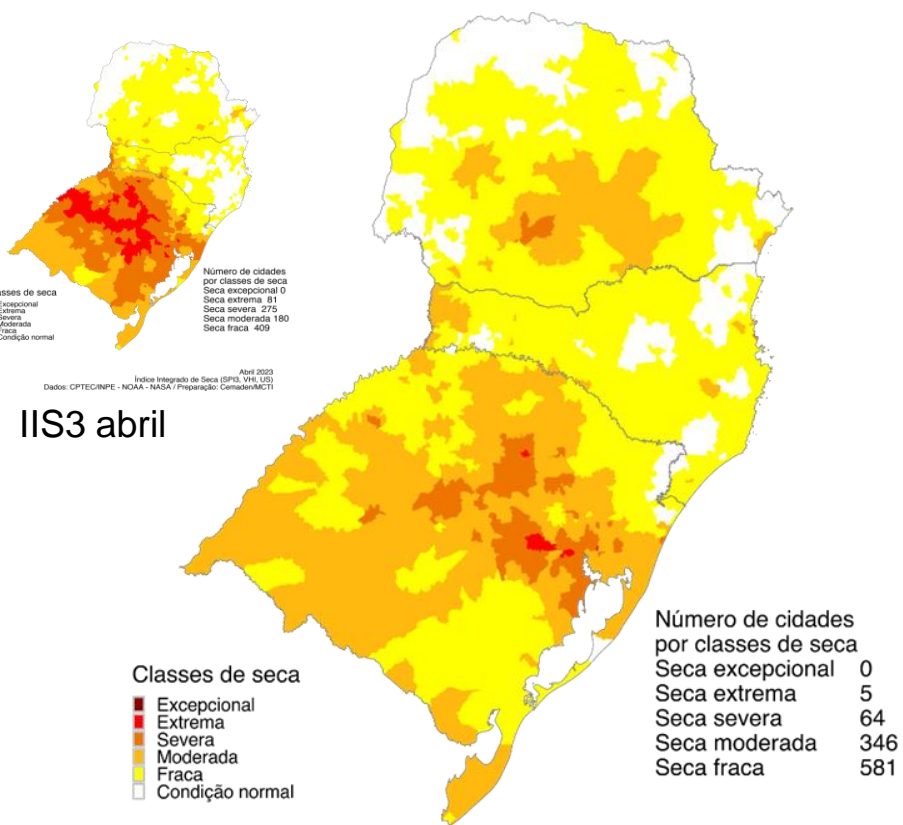


ÍNDICE INTEGRADO DE SECA - IIS

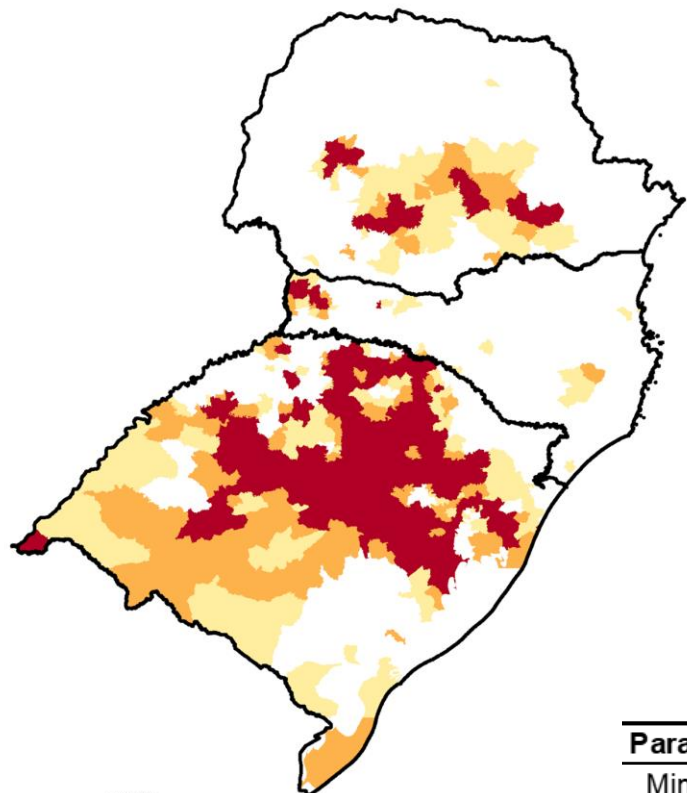
(SPI3 E 6 + VHI + AUS): MAIO/2023

IIS 3 MESES

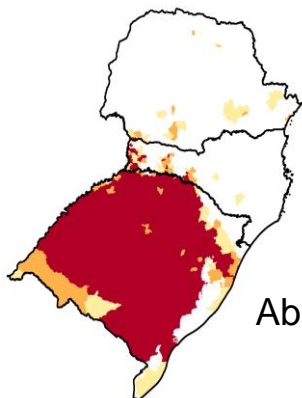
IIS 6 MESES



ÁREAS DE PASTAGENS E AGRÍCOLAS AFETADAS PELA SECA MAI/23



| UF | 40 a 60% | 60 - 80% | > 80% |
|----|----------|----------|-------|
| PR | 25 | 16 | 14 |
| RS | 62 | 67 | 232 |
| SC | 18 | 9 | 10 |



Abril 23

| | 40 a 60% | 60 - 80% | > 80% |
|--|----------|----------|-------|
|--|----------|----------|-------|

Imóveis Rurais Impactados > 40%

Paraná

| | | | |
|---------------------|-------------|------------|------------|
| Minifundio | 28339 (11%) | 17192 (7%) | 12867 (5%) |
| Pequena Propriedade | 14264 (11%) | 6559 (5%) | 7701 (6%) |
| Media Propriedade | 3538 (13%) | 1371 (5%) | 1415 (5%) |

| |
|-------------|
| 58398 (22%) |
| 28524 (22%) |
| 6324 (24%) |

Santa Catarina

| | | | |
|---------------------|------------|-----------|------------|
| Minifundio | 13170 (6%) | 8023 (3%) | 10512 (5%) |
| Pequena Propriedade | 4214 (5%) | 3044 (4%) | 3044 (3%) |
| Media Propriedade | 697 (7%) | 108 (1%) | 56 (1%) |

| |
|-------------|
| 31705 (14%) |
| 10001 (12%) |
| 861 (9%) |

Rio Grande do Sul

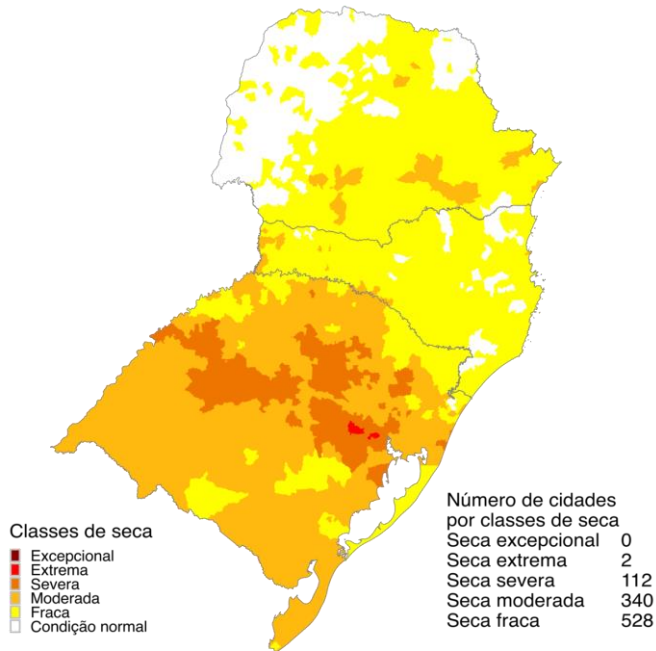
| | | | |
|---------------------|------------|-------------|--------------|
| Minifundio | 34232 (9%) | 49783 (14%) | 164320 (45%) |
| Pequena Propriedade | 5421 (3%) | 5796 (1%) | 7312 (1%) |
| Media Propriedade | 5421 (22%) | 5796 (23%) | 7312 (30%) |

| |
|--------------|
| 248335 (97%) |
| 7457 (97%) |
| 18529 (94%) |

CENÁRIOS ÍNDICE INTEGRADO DE SECA - IIS: JUNHO/2023

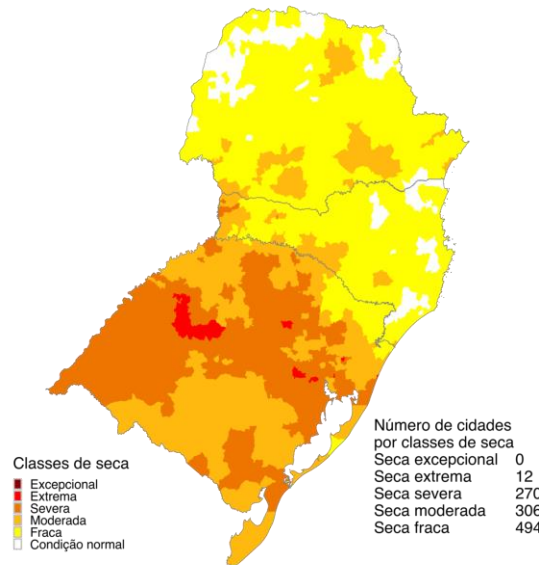
ACIMA 40 %

ABAIXO 40 %

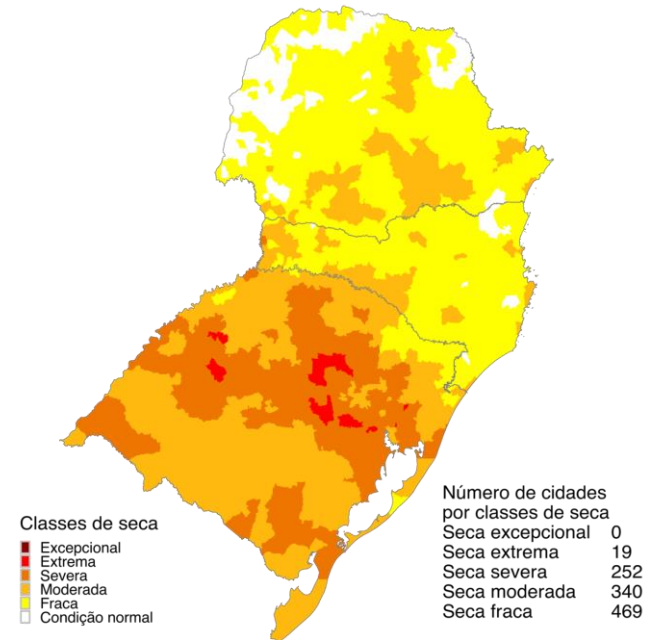


Junho 2023
Índice Integrado de Seca (SPI6, VHI, US)
Cenário: Chuva + 40%
Dados: CPTEC/INPE - NOAA - NASA / Preparação: Cemaden/MCTI

Maio/23

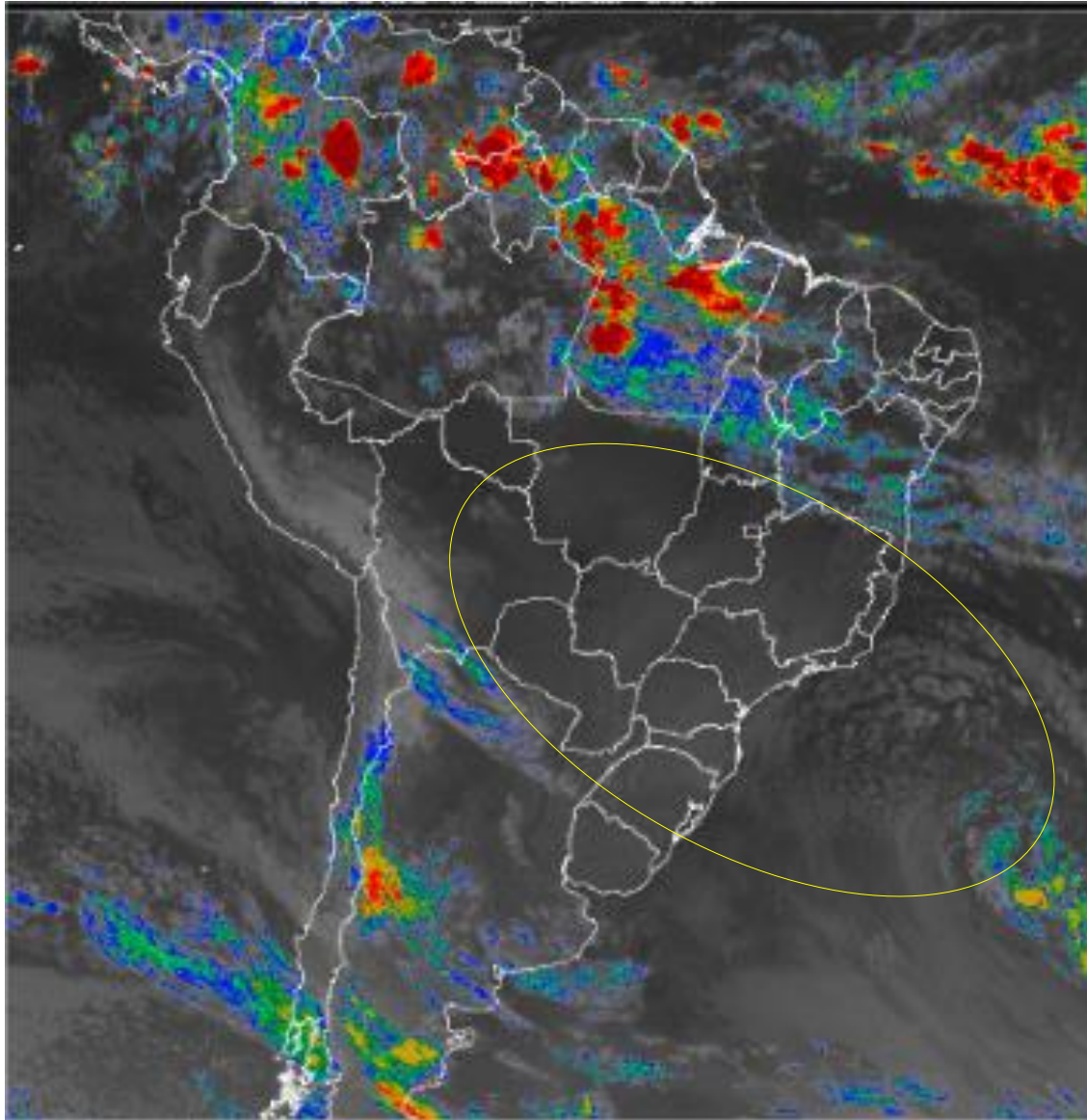


Maio 2023
Índice Integrado de Seca (SPI6, VHI, US)
Dados: CPTEC/INPE - NOAA - NASA / Preparação: Cemaden/MCTI



Junho 2023
Índice Integrado de Seca (SPI6, VHI, AUS)
Cenário: Chuva - 40%
Dados: CPTEC/INPE - NOAA - NASA / Preparação: Cemaden/MCTI

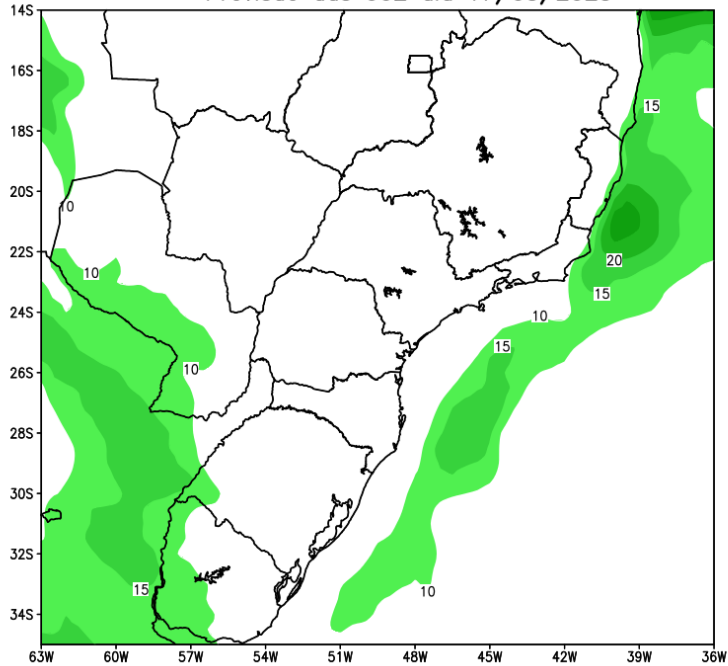
Situação meteorológica atual



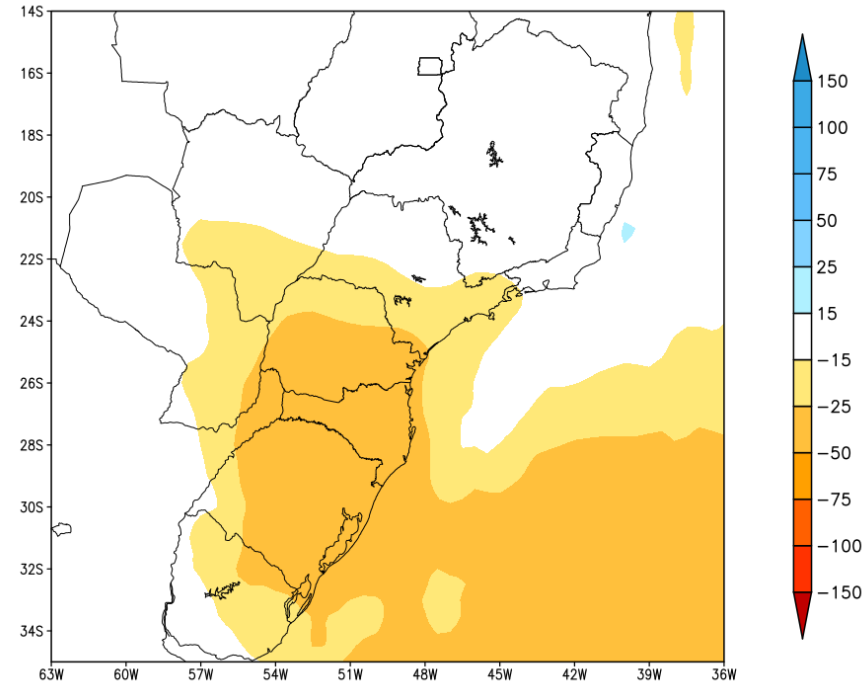
Fonte: INMET

Previsão de chuva próximos 7 dias

GEFS / BRASIL_SUL
Precipitacao acumulada 1aSem (mm)
Previsao das 00Z dia 17/05/2023



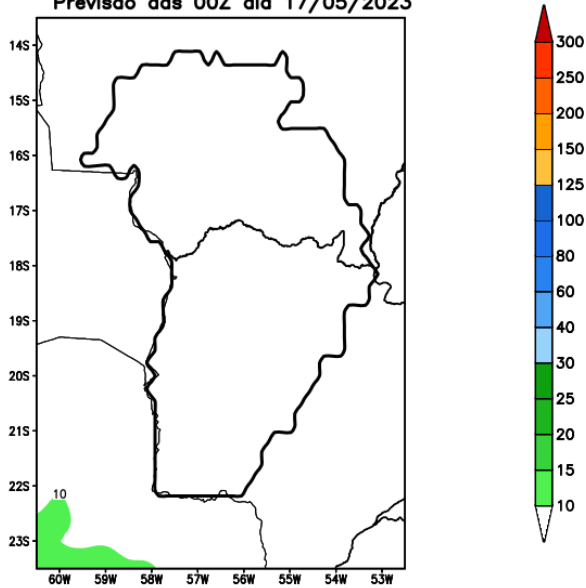
Anomalia de Precipitacao BR SUL (mm)
Periodo: 2023051700 a 2023052400



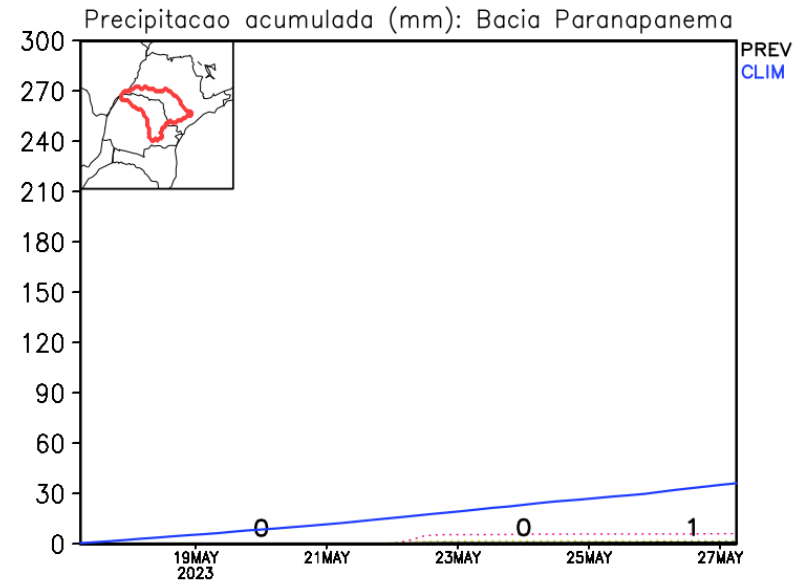
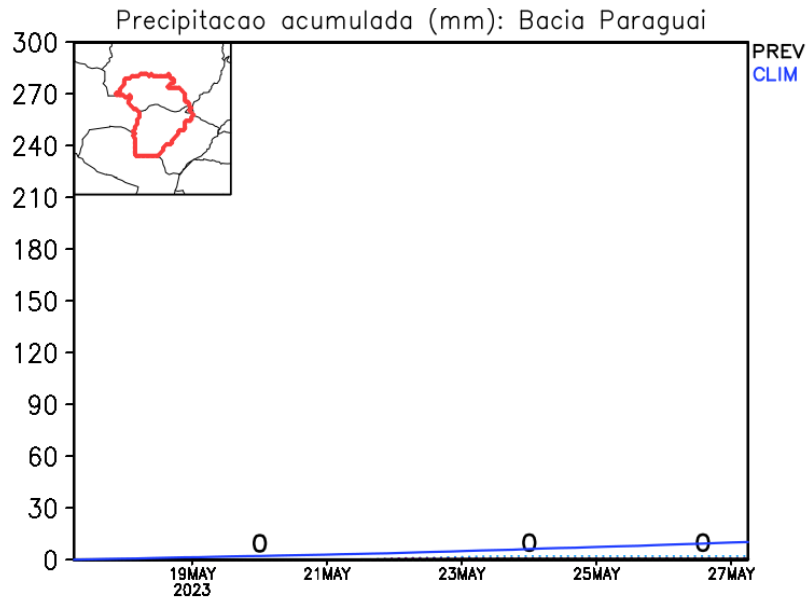
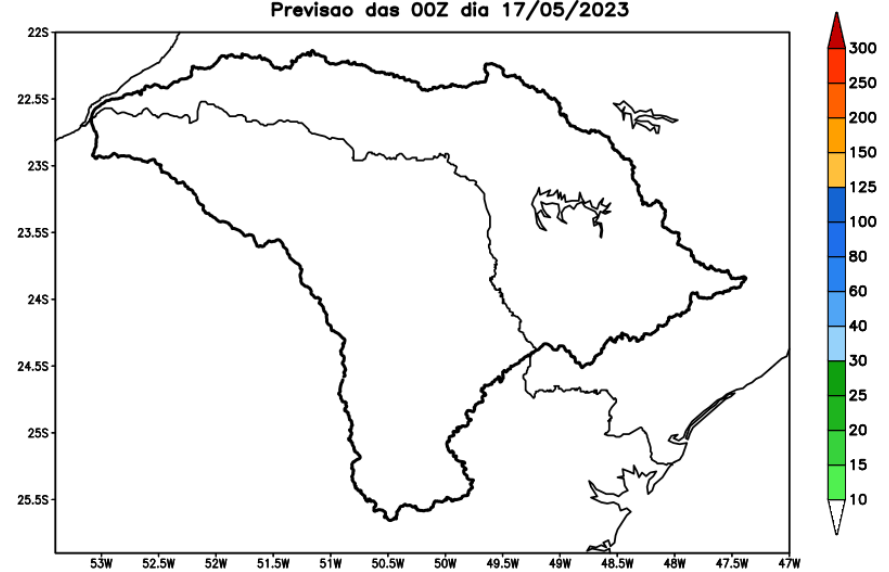
MODELO GFS

Previsão para as principais bacias

GEFS / Bacia do Rio Paraguai
Precipitacao acumulada em 7 dias (mm)
Previsao das 00Z dia 17/05/2023

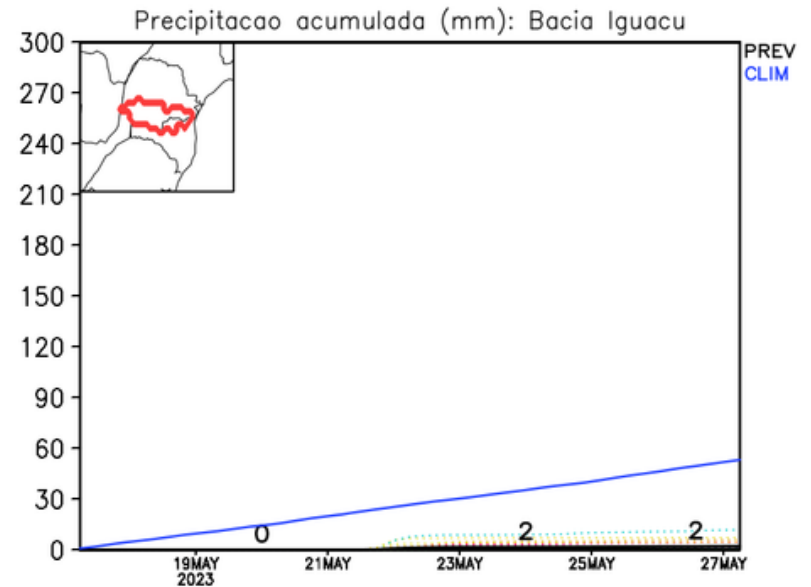
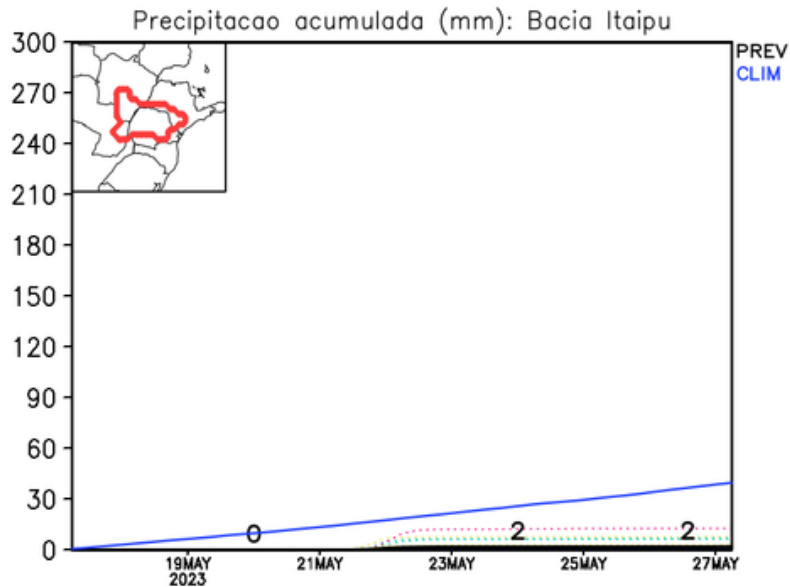
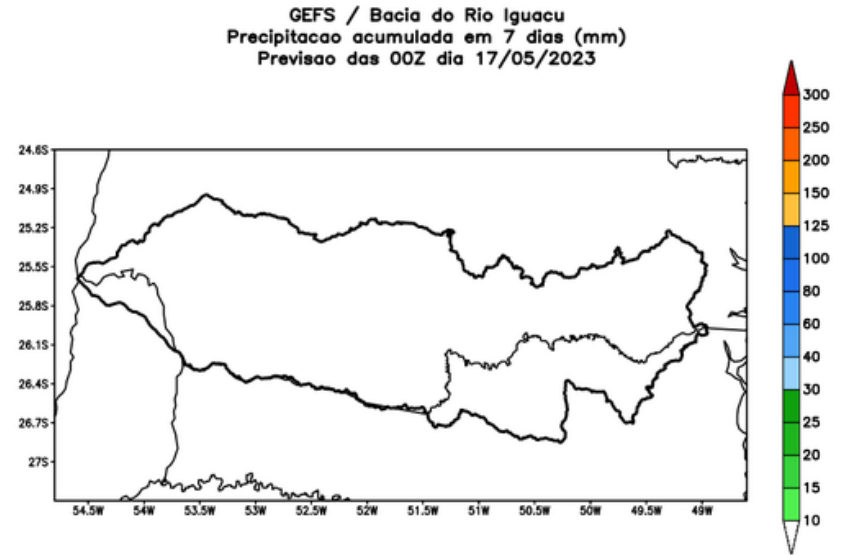
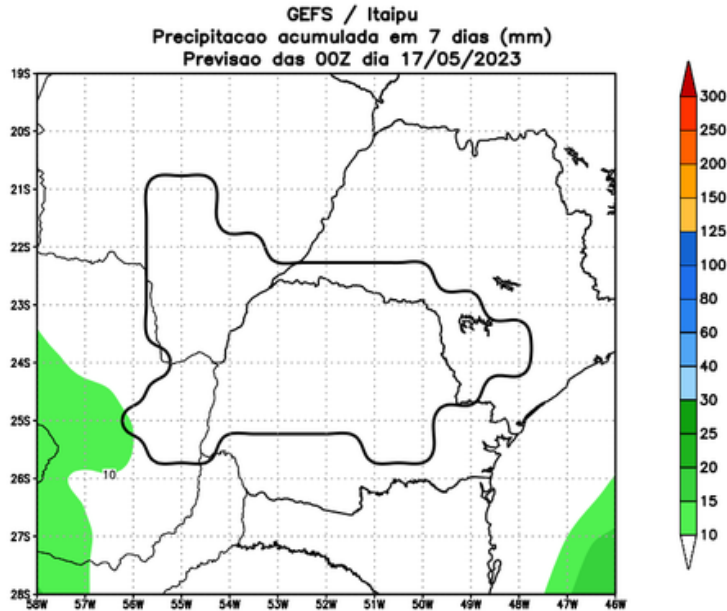


GEFS / Bacia do Rio Paranapanema
Precipitacao acumulada em 7 dias (mm)
Previsao das 00Z dia 17/05/2023

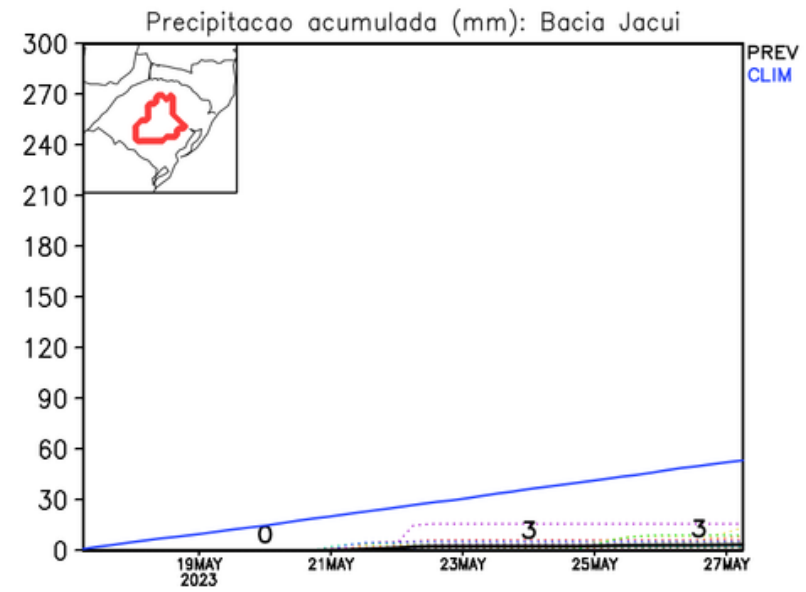
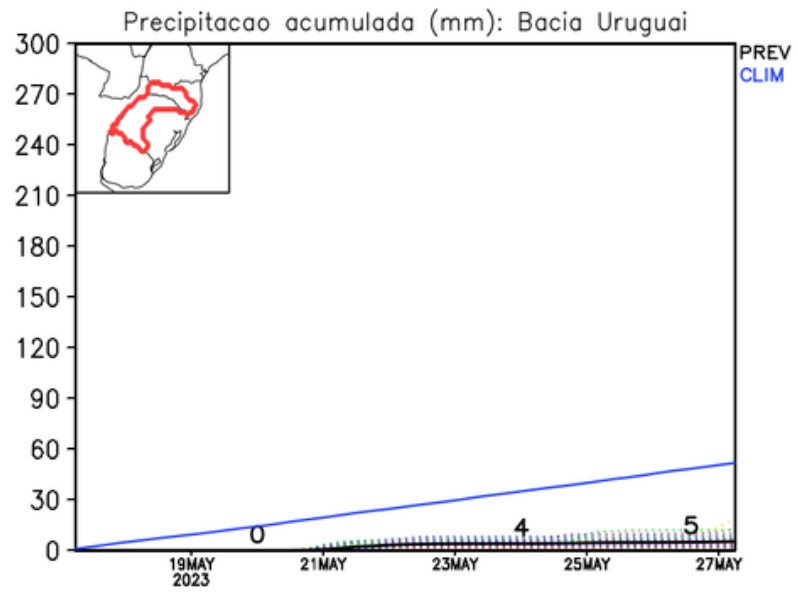
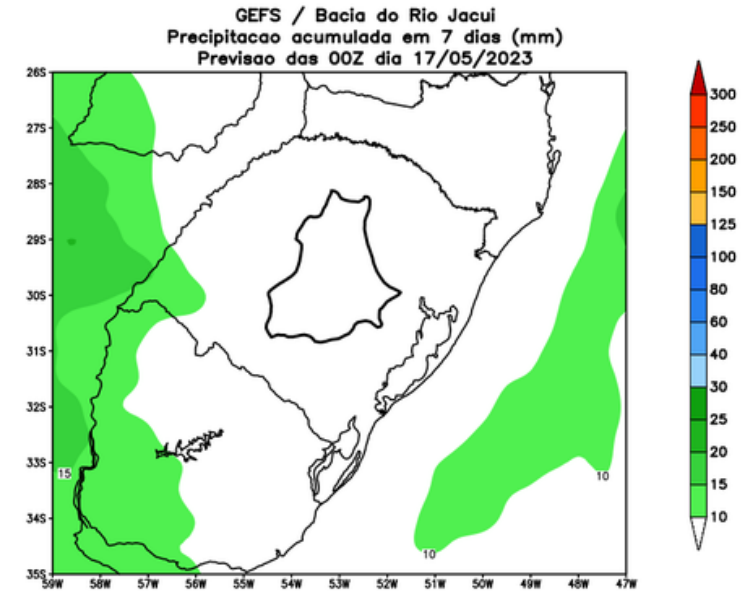
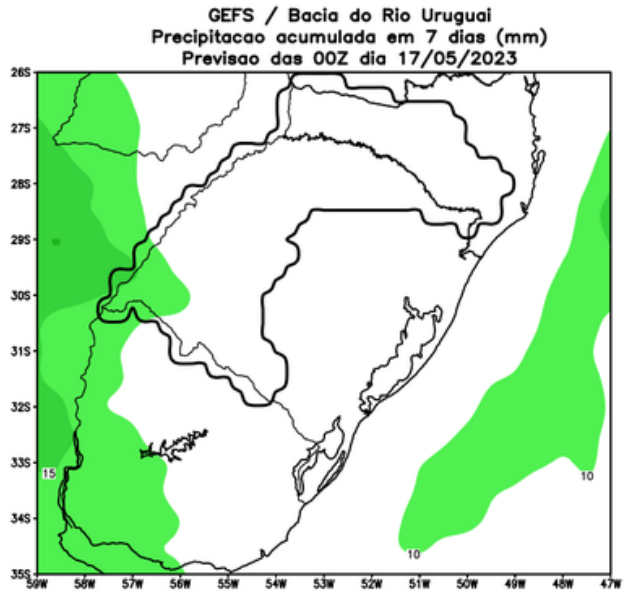


MODELO GFS

Previsão para as principais bacias

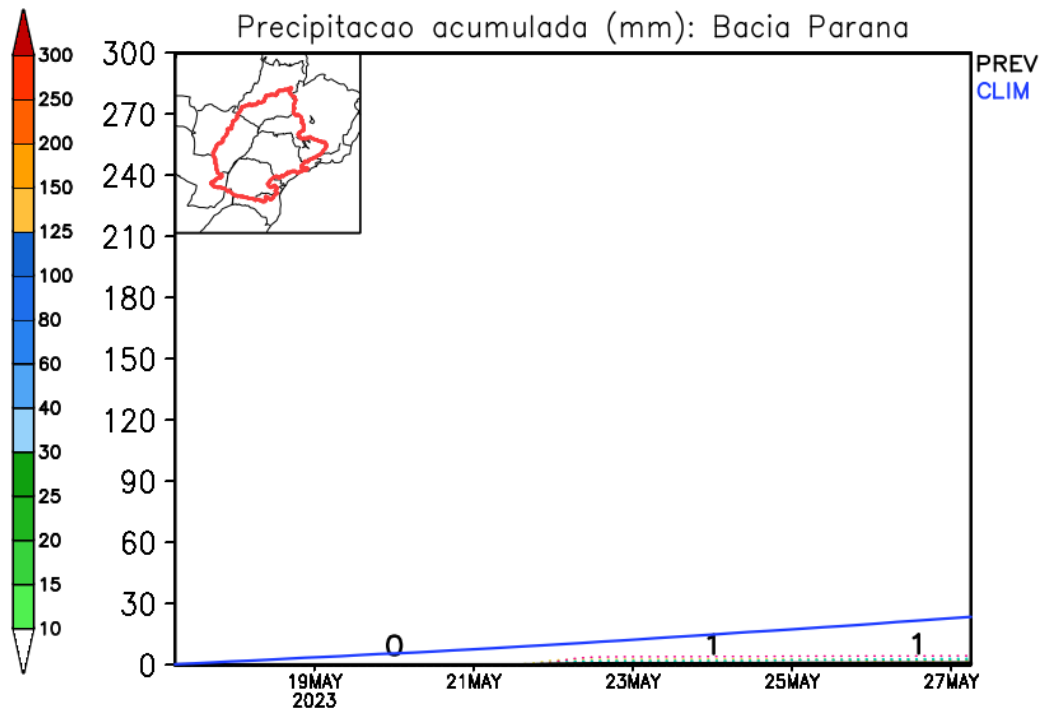
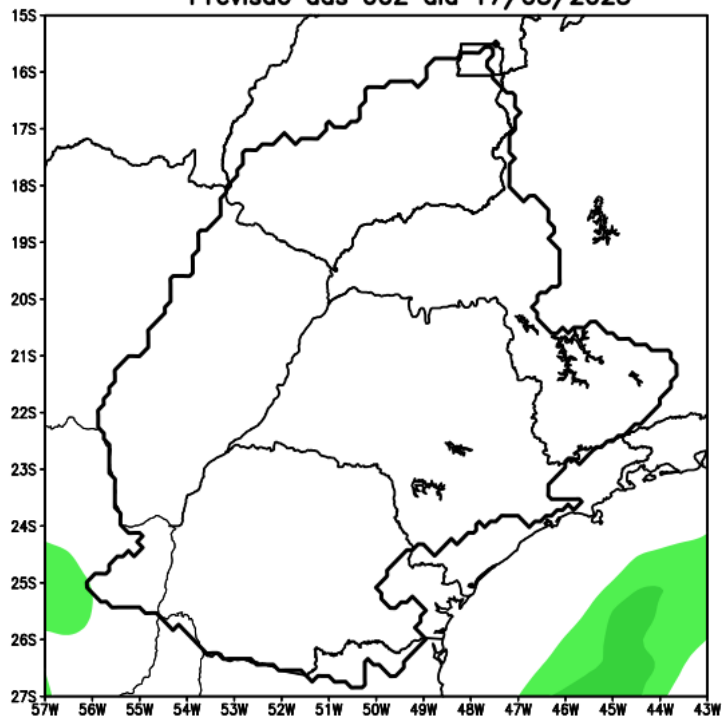


Previsão para as principais bacias



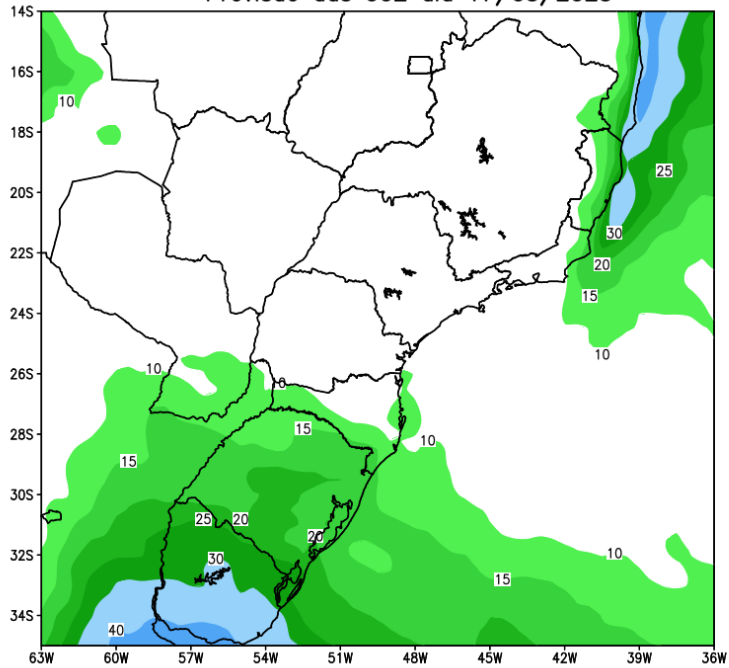
Previsão para as principais bacias

GEFS / Bacia do Parana
Precipitacao acumulada em 7 dias (mm)
Previsao das 00Z dia 17/05/2023

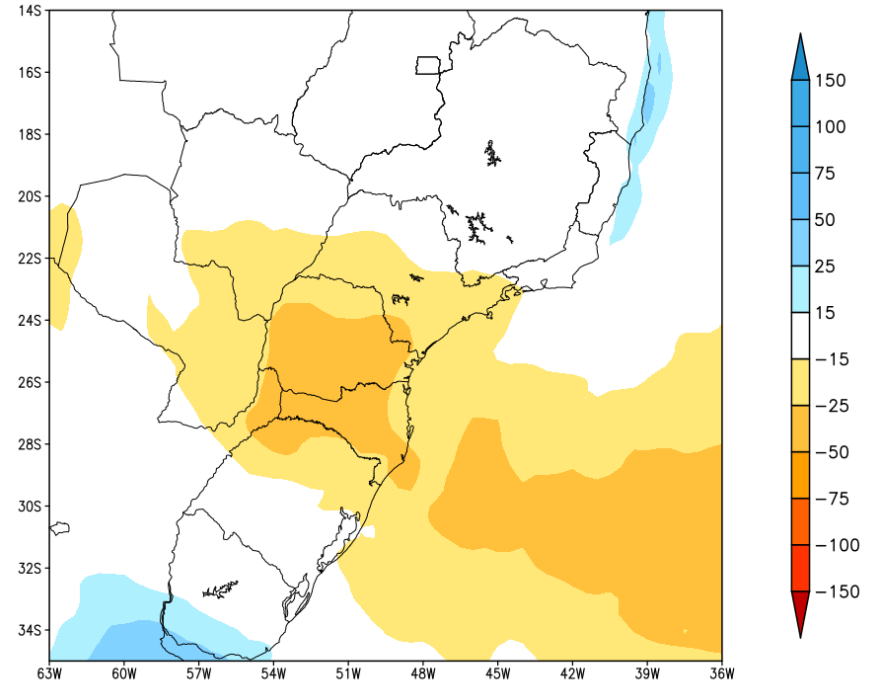


Tendência para a segunda semana

GEFS / BRASIL_SUL
Precipitacao acumulada 2aSem (mm)
Previsao das 00Z dia 17/05/2023



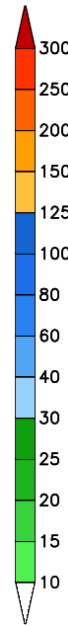
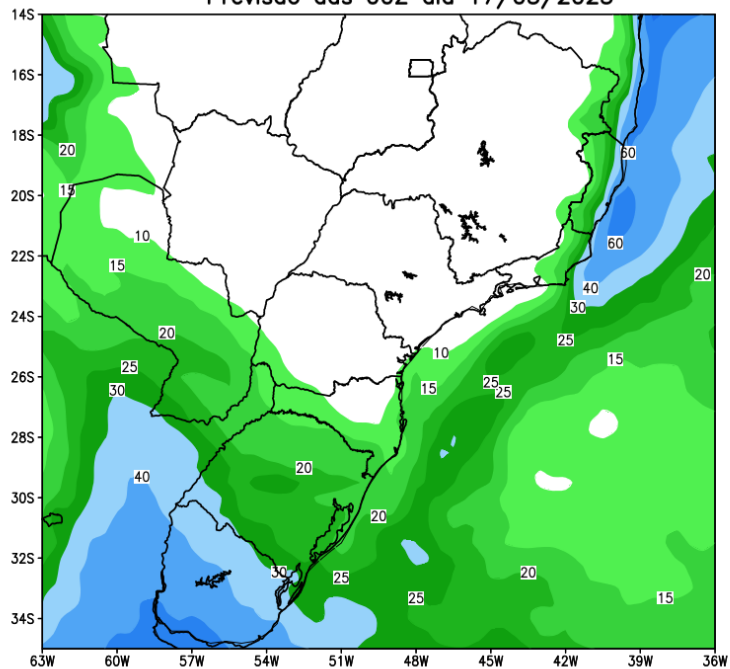
Anomalia de Precipitacao BR_SUL (mm)
Periodo: 2023052500 a 2023053100



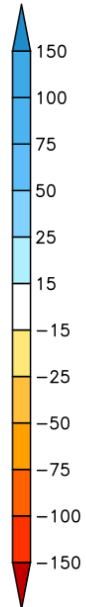
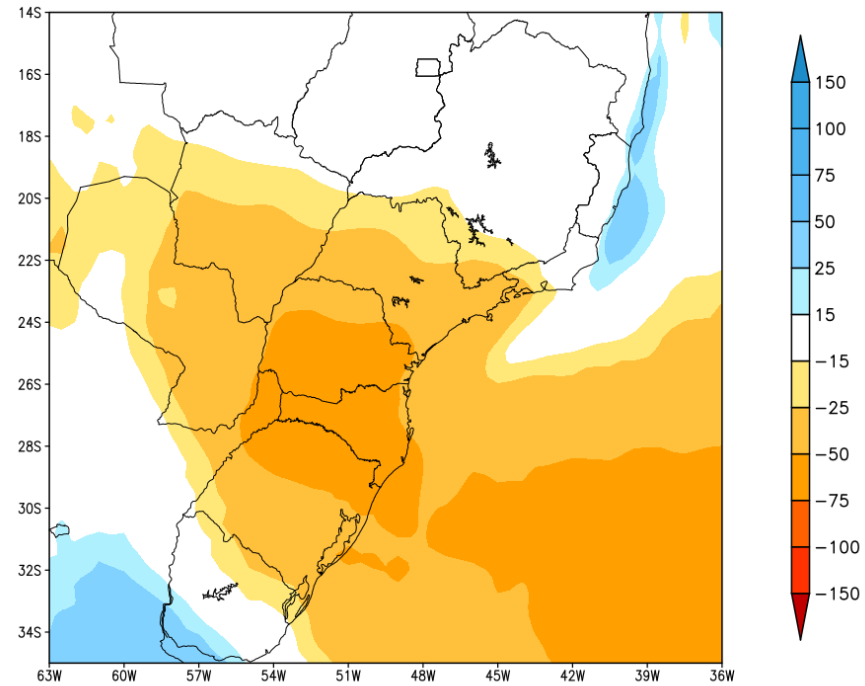
MODELO GFS

Tendência para as duas próximas semanas

GEFS / BRASIL_SUL
Precipitacao acumulada 14dias (mm)
Previsao das 00Z dia 17/05/2023



Anomalia de Precipitacao BR_SUL (mm)
Periodo: 2023051700 a 2023053100



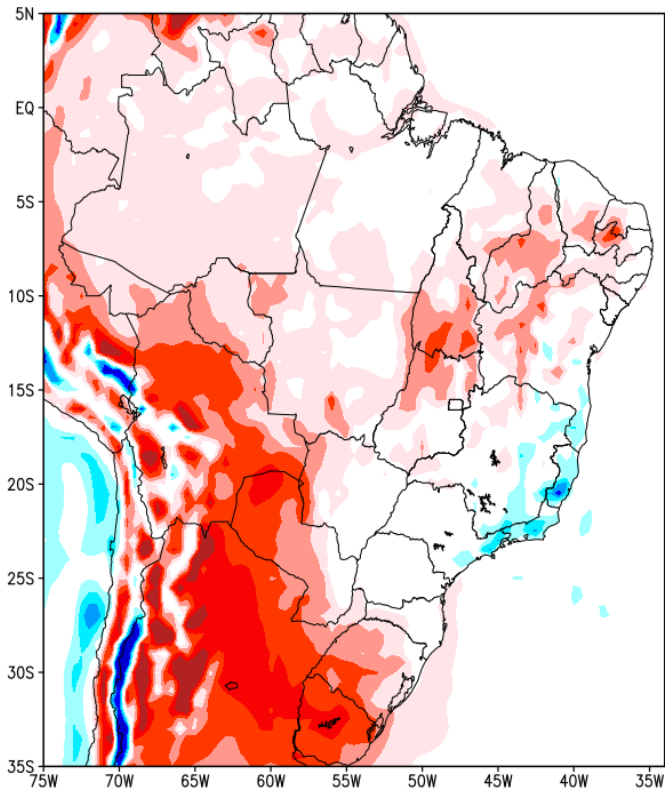
MODELO GFS

Previsão de Temperatura

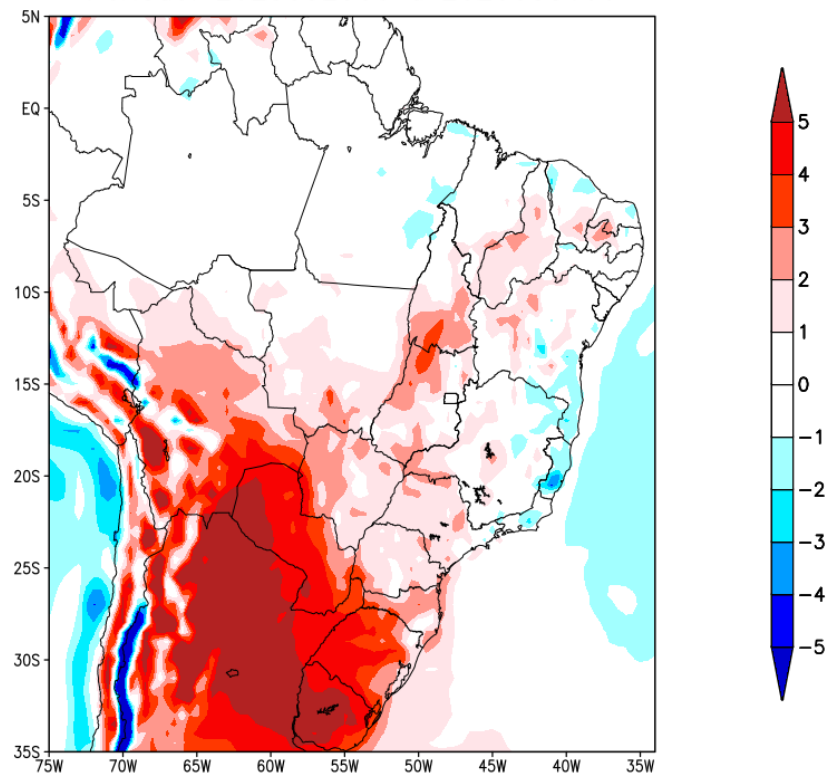
1ª Semana

2ª Semana

Anomalia de Temperatura BR (C)
Período: 2023051700 a 2023052400



Anomalia de Temperatura BR (C)
Período: 2023052500 a 2023053100

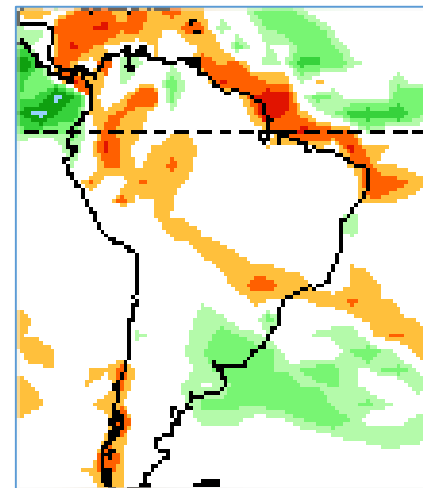
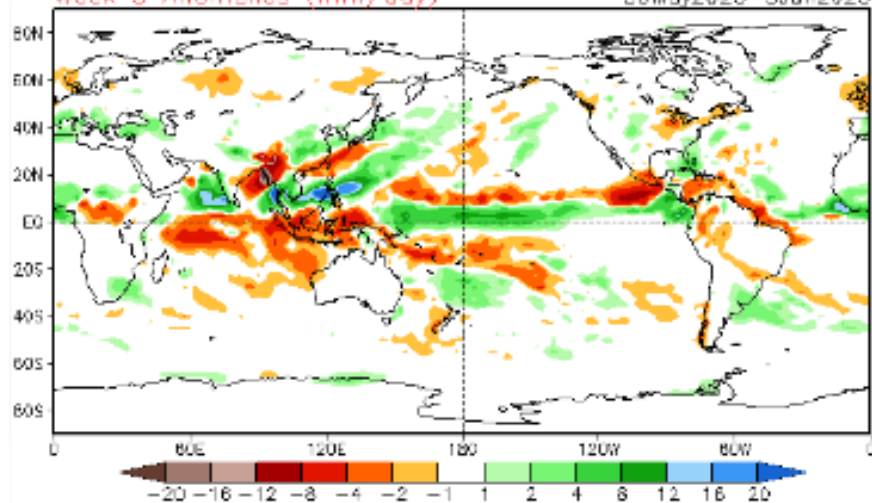


Tendência 3a e 4a semanas

16 Member Ensemble Mean Forecast from 15May2023

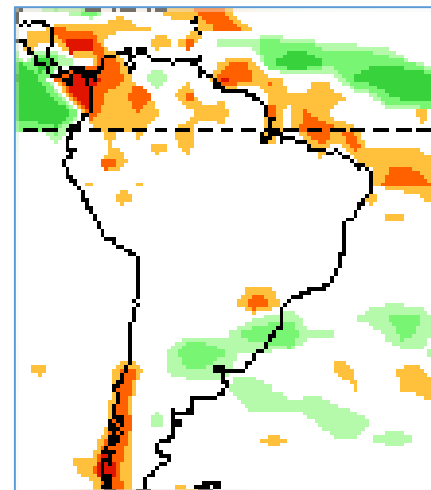
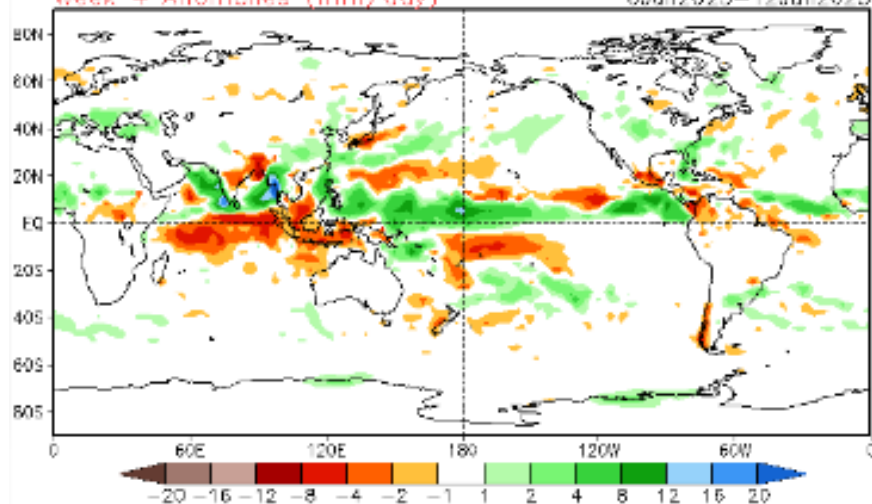
Week 3 Anomalies (mm/day)

30May2023-5Jun2023



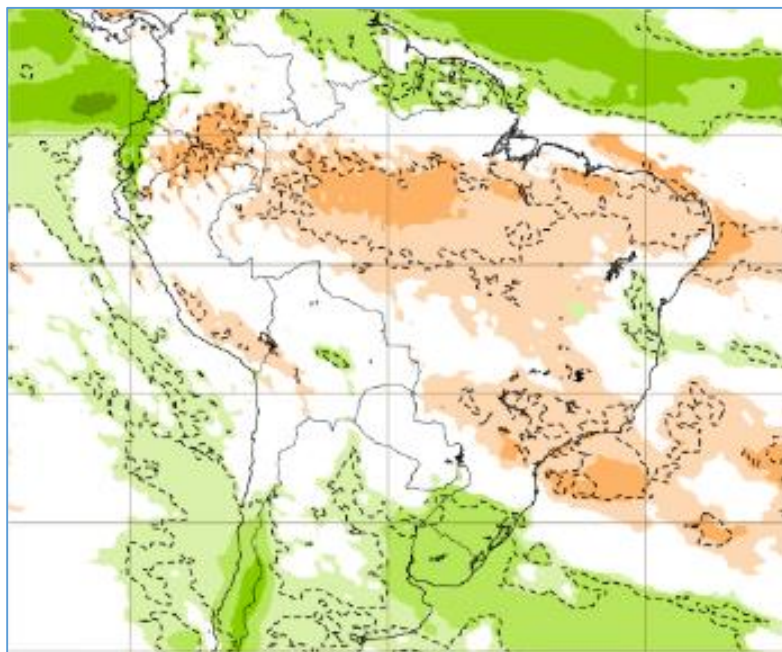
Week 4 Anomalies (mm/day)

6Jun2023-12Jun2023

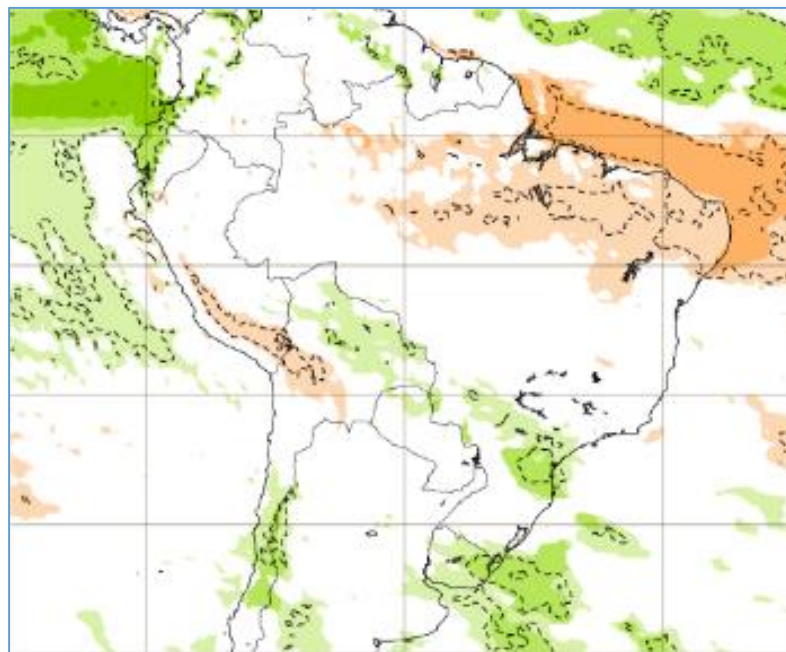


Tendência para 3ª e 4ª semanas

29/05-05/06



06-13/06





Update prepared by:
Climate Prediction Center / NCEP
15 May 2023

Summary

ENSO Alert System Status: **El Niño Watch**

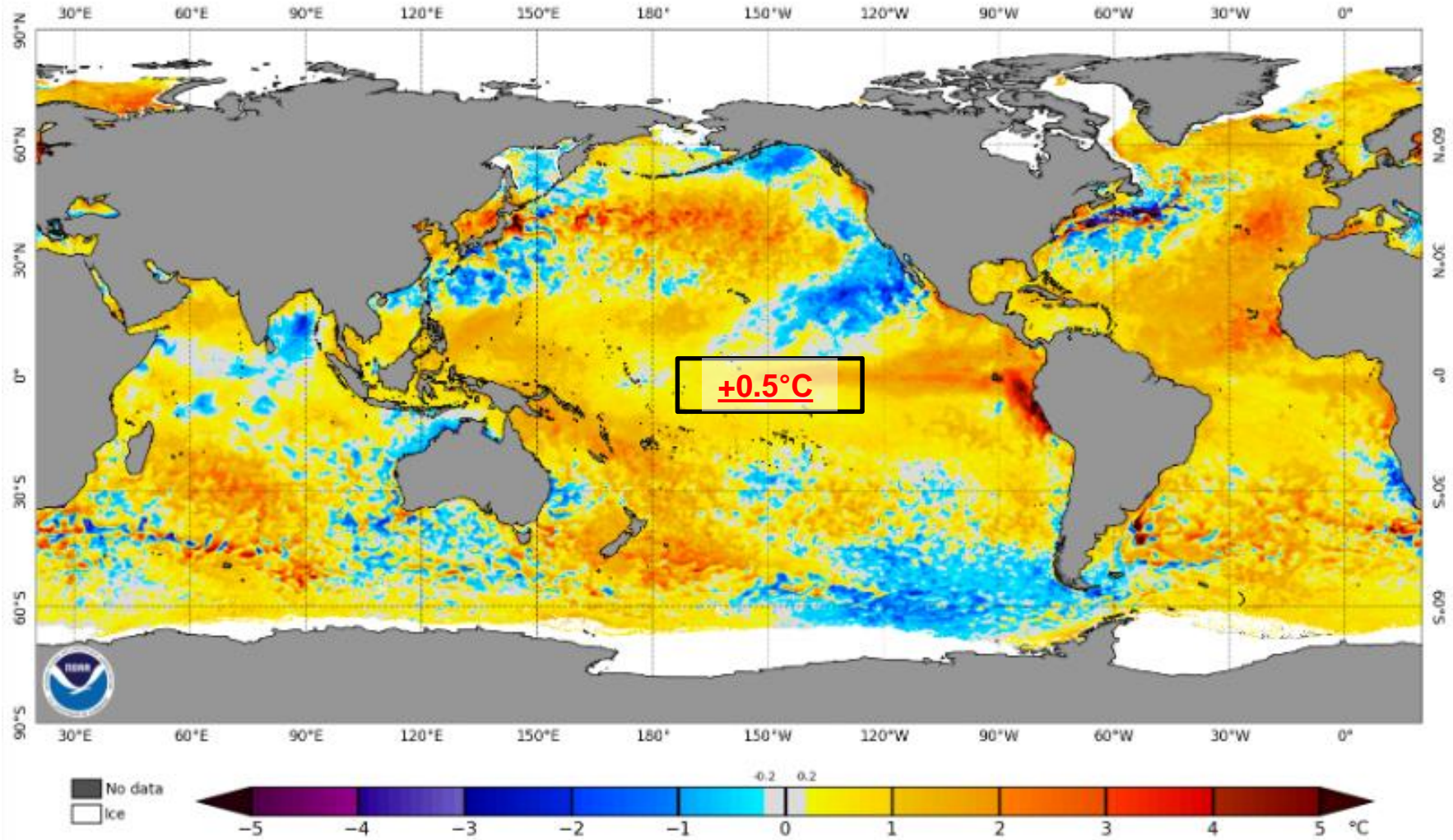
ENSO-neutral conditions are observed.*

Equatorial sea surface temperatures (SSTs) are near-to-above average across most of the Pacific Ocean.

ENSO-neutral conditions are expected to continue through the Northern Hemisphere spring, followed by a 62% chance of El Niño developing during May-July 2023.*

Status Atual: Neutralidade

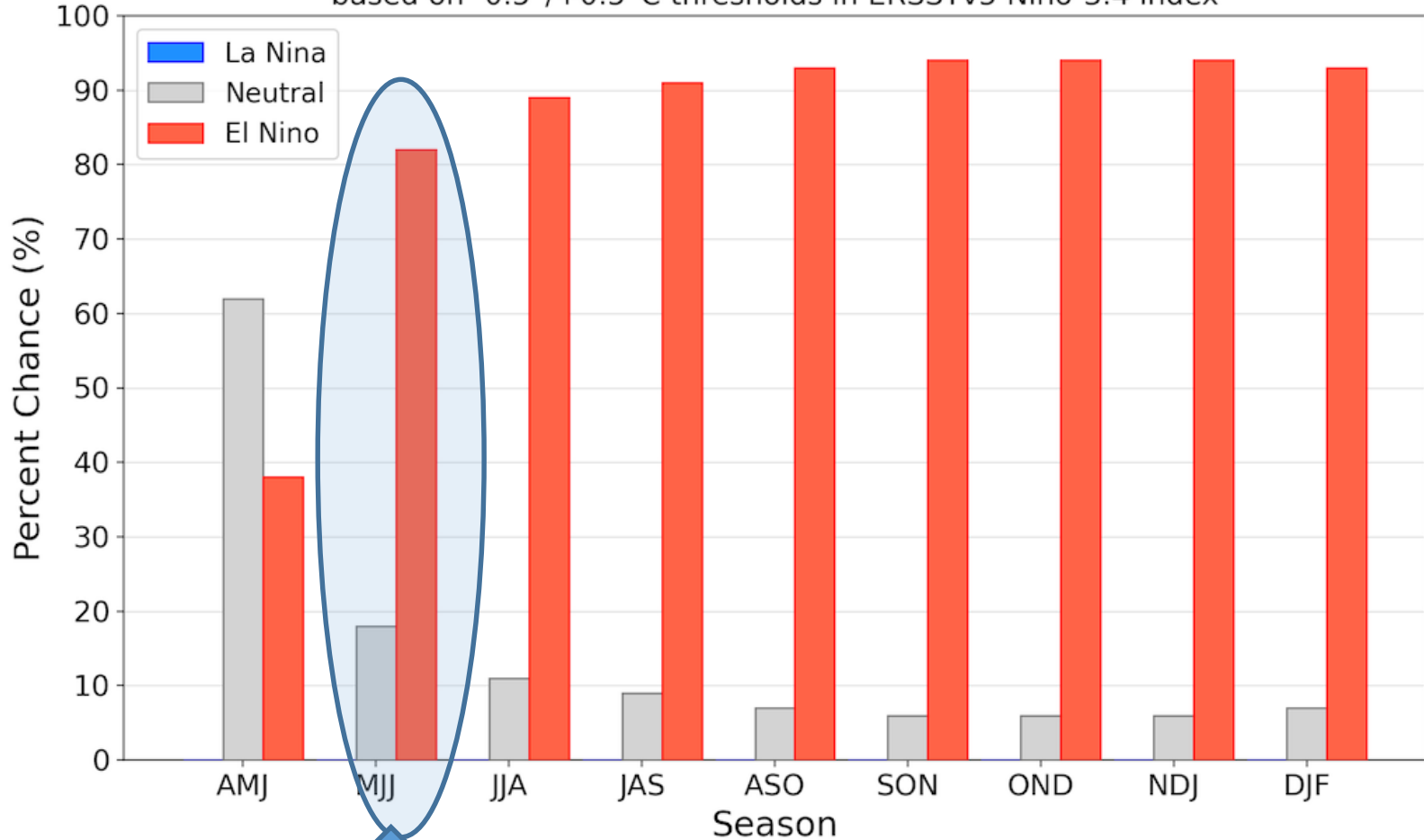
NOAA Coral Reef Watch Daily 5km SST Anomalies (v3.1) 15 May 2023



Previsão do “ENSO”

Official NOAA CPC ENSO Probabilities (issued May 2023)

based on $-0.5^{\circ}/+0.5^{\circ}\text{C}$ thresholds in ERSSTv5 Niño-3.4 index

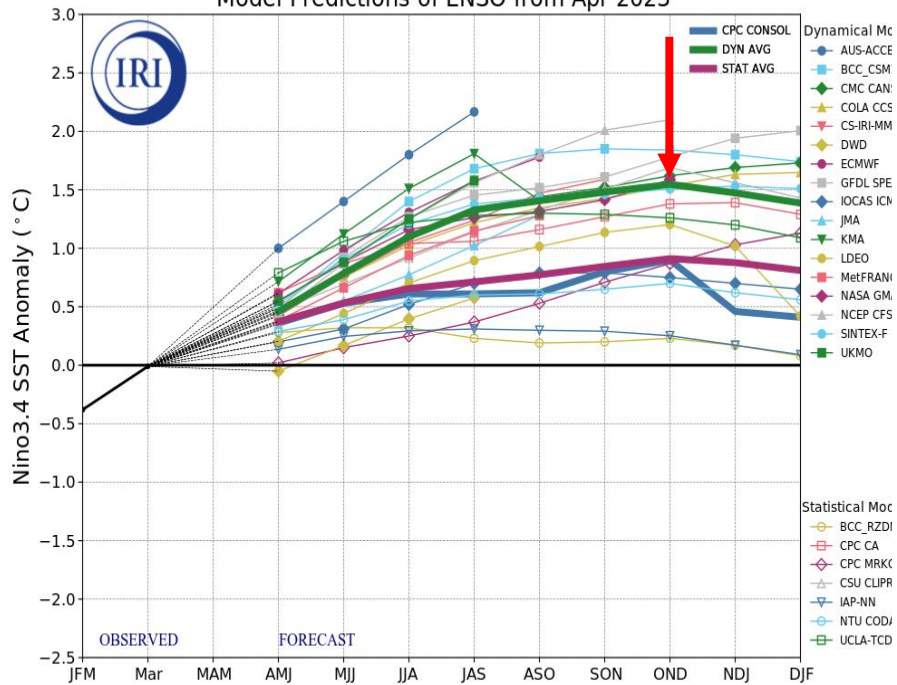


Status Atual: **Neutralidade**

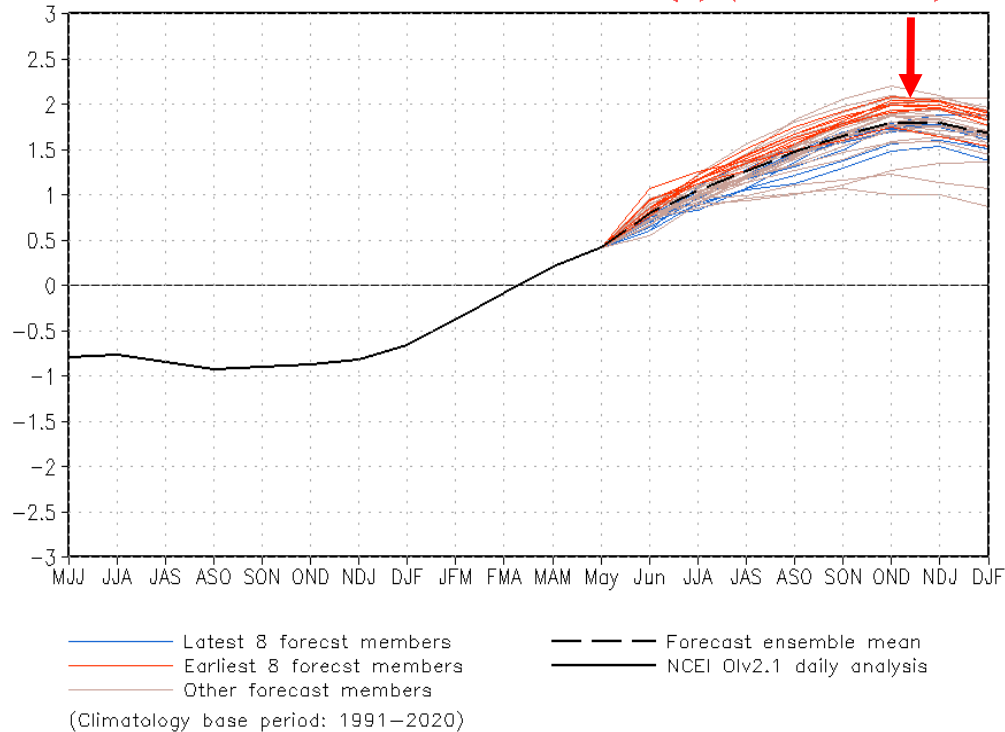
FONTE: NOAA

Previsão do “ENSO”

Model Predictions of ENSO from Apr 2023

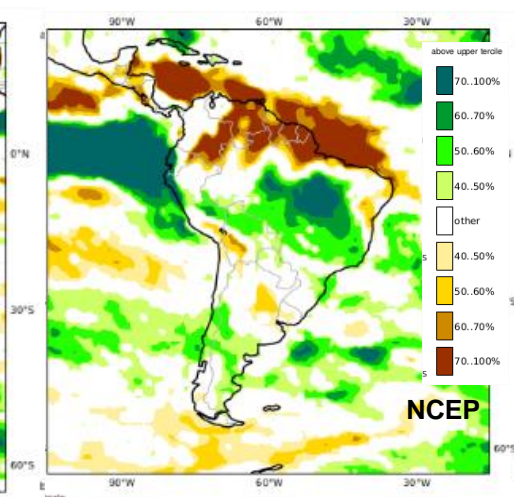
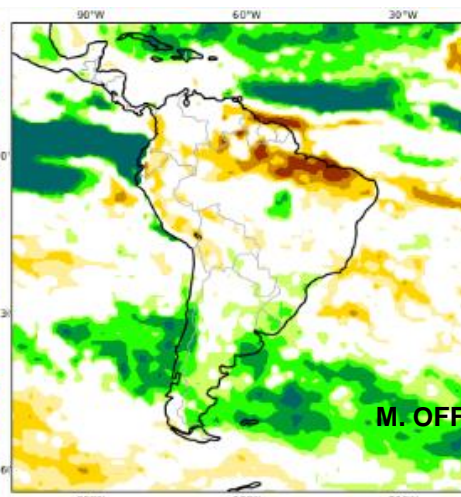
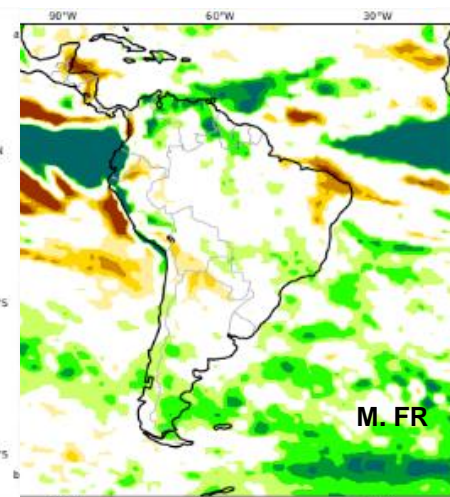
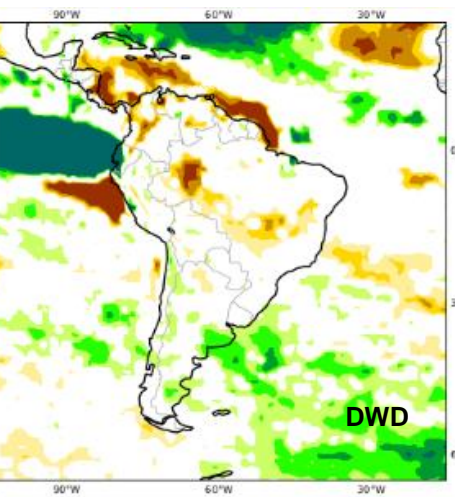
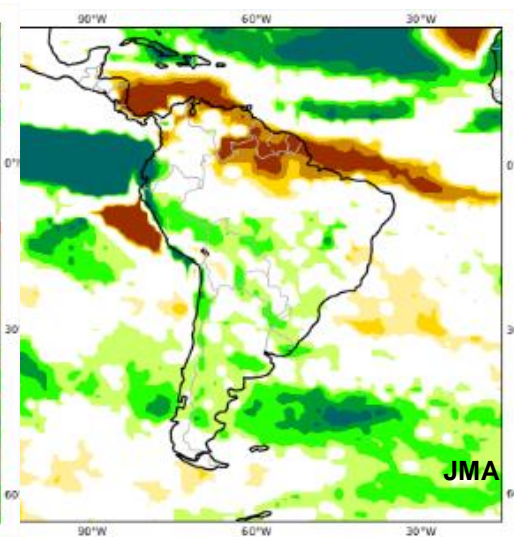
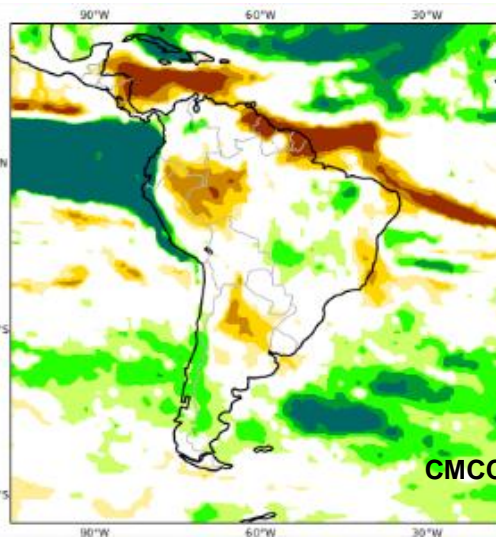
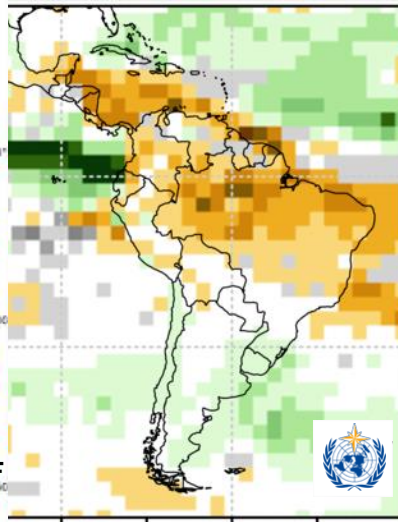
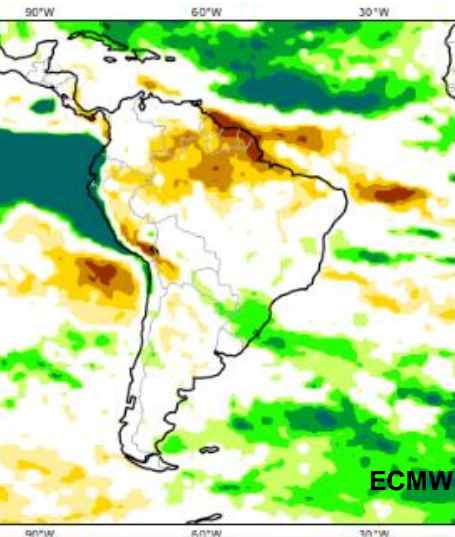


CFSv2 forecast Nino3.4 SST anomalies (K) (PDF corrected)



Atualizado: 15 de Maio 2023

Previsão sazonal de Chuva JJA



Previsão Multi Modelo JJA

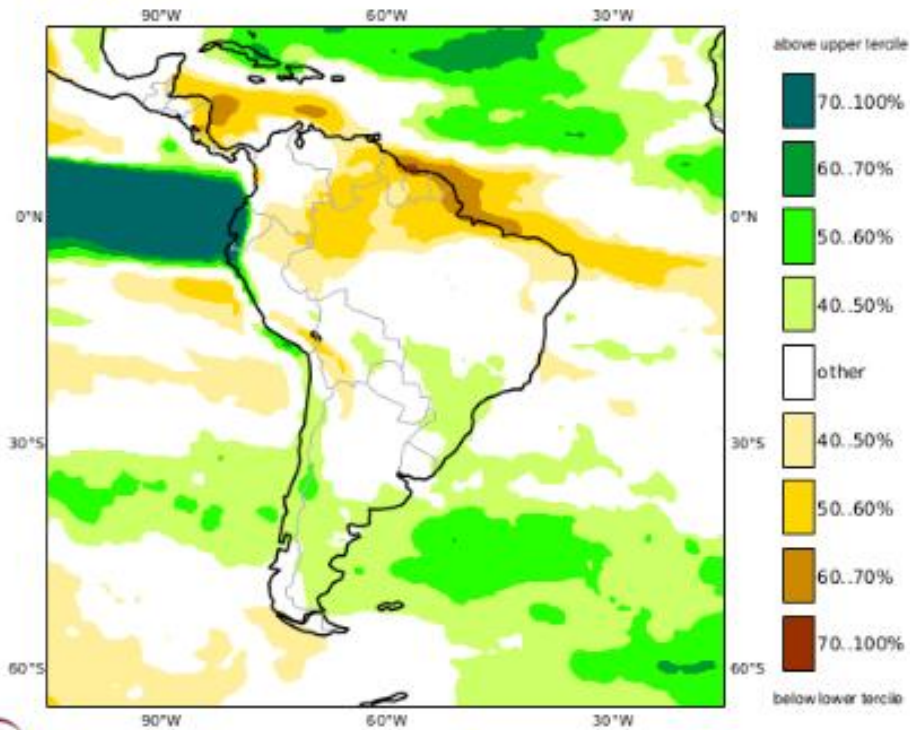
C3S multi-system seasonal forecast

Prob(most likely category of precipitation)

Nominal forecast start: 01/05/23

Unweighted mean

JJA 2023



NMME Precipitation Anomalies (mm/day)

Jun2023-Aug2023

May2023 initial conditions

